BRUHATH BANGALORE MAHANAGARAPALIKE

BYATARAYANAPURA DIVISION

1ST AND FINAL BILL

Name of the Work:Emergency Grants in Ward No.10, Doddabommasandra Vidyaranyapura Sub Division

Estimate Cost:25.00 Lakhs
JOB NUMBER:010-20-000089
AS No:AS/CE(YNK)/25/2020-21 Date:09-11-2020
TS No:TS/CE(YNK)/135/2020-21 Date:09-11-2020
Work Order No: BBMP/EE/BTP/WO/25/2021-22 Date:19-08-2021
Name of Contractor : Sri.Subbareddy K V

Item No	Description of Item	No	Length	Breadth	Depth	Unit	Qty	Rate in Rs	Amount
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above.								
	Qty Taken from Pre measurement - Item No. 1, page No.1					**Cum**	**56.94**	**1660.00**	**94527.87**
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. ii) Dismantling brick/Tile work B. In cement mortar. MORTH Specification No. 202								
	Qty Taken from Pre measurement - Item No. 2, Page No.2					**Cum**	**54.47**	**417.00**	**22713.16**
3	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms).								
	Qty Taken from Pre measurement - Item No. 3, Page No.3					**Sqm**	**75.96**	**151.29**	**11491.99**
4	Conveying the Excavated earth,debris etc.., with all lead and lifts including loading and unloading charges etc.., complete as per the directon of the engineer in charge,								
	Qty Taken from Pre measurement - Item No. 4, Page No.4					**Cum**	**122.81**	**62.48**	**7673.17**
5	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification.								
	Qty Taken from Pre measurement - Item No. 5, Page No.5					**Cum**	**29.48**	**450.98**	**13296.02**
6	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS								
	Qty Taken from Pre measurement - Item No. 6, Page No.6					**Cum**	**8.86**	**2439.69**	**21615.65**

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Vidyaranyapura Sub-Division
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Item No	Description of Item	No	Length	Breadth	Depth	Unit		n	Amount
7	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC ceme 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cun. fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	Qty Taken from Pre measurement - Item No. 7, Page No.7					**Cum**	**5.04**	**5124.00**	**25799.34**
8	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	For New Compound Wall								
	Above SSM Wall								
	North Side	1	15.00	0.75	0.15		1.69		
		1	0.90	0.75	0.15		0.10		
	South Side	1	25.00	0.75	0.15		2.81		
	Concrete For Around								
	Concrete filling at Toilet Building	1	5.30	5.30	0.15		4.21		
	From North Side Compound Wall	1	8.30	1.20	0.15		1.49		
		1	7.40	1.30	0.15		1.44		
		1	10.00	(1.10+2.25)/2	0.15		2.51		
		1	30.00	0.75	0.15		3.38		
		1	3.00	0.75	0.15		0.34		
		1	5.80	(1.10+0.7)/2	0.15		0.78		
		1	20.00	0.80	0.15		2.40		
		1	6.80	(2.10+2.50)/2	0.15		2.35		
	Deduction Trees Area	-2	0.30	0.30	0.15		-0.03		
	For Sump								
	Sump Walls	2	3.20	0.23	2.90		4.27		
		2	2.45	0.23	2.90		3.27		
	For CC Road								
	Yelumandamma Layout Ramachandra pura								
	Cross road-1								
		1	15.00	3.20	0.15		7.20		
	Cross road-2								
		1	15.00	1.30	0.15		2.93		
		1	9.00	1.30	0.15		1.76		
	Cross road-3								
		1	15.00	1.30	0.15		2.93		
		1	15.00	1.30	0.15		2.93		
		1	6.00	1.30	0.15		1.17		
	Ramachandrapura Village								
		1	15.00	(3.30+3.20)/2	0.15		7.31		
		1	15.00	(3.20+3.00)/2	0.15		6.98		

Assistant Executive Engineer
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Sunitha. N.K
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Item No	Description of Item	No	Length	Breadth	Depth	Unit	Qty	Rate in Rs	Amount
		1	15.00	3.00	0.15		6.75	64.20	
		1	15.00	3.00	0.15		6.75		
		1	10.00	3.00	0.15		4.50		
					Present Qty	Cum	82.20	5351.44	439866.16
9	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.								
	Qty Taken from Pre measurement - Item No.9, Page No.8					**Cum**	**14.23**	**4615.00**	**65687.60**
10	Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification								
	Qty Taken from Pre measurement - Item No.10, Page No.9					**Cum**	**1.35**	**201.88**	**273.35**
11	Conveying the Excavated earth,debris etc.., with all lead and lifts including loading and unloading charges etc.., complete as per the directon of the engineer in charge,								
	Qty Taken from Pre measurement - Item No.11, Page No.10					**Cum**	**28.13**	**63.00**	**1772.35**
12	Providing and constructing granite / trap / basalt size stone masonry insuperstructure with - do - with cement mortar 1:4 & edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete asper specifications.								
	Qty Taken from Pre measurement - Item No.12, Page No.11					**Cum**	**7.98**	**6401.79**	**51055.08**
13	do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
	Qty Taken from Pre measurement - Item No.13, Page No.12					**Sqm**	**35.45**	**139.98**	**4961.59**
14	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	Qty Taken from Pre measurement - Item No.14, Page No.13					**Cum**	**167.36**	**320.39**	**53620.07**
15	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.specification. No. KBS 2.10.2								
	Qty Taken from Pre measurement - Item No.15, Page No.14					**Cum**	**12.96**	**2030.75**	**26318.52**

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Bruhath Bengaluru Mahanagara Palike

Item No	Description of Item	No	Length	Breadth	Depth	Unit	Qty	Rate in Rs	Amount
16	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification								
	Building Corridor								
		1	2.70	2.80			7.50		
						Present Qty	**Sqm**	**7.50**	**1237.42**	**9280.65**
17	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.								
	For New Compound Wall								
	North Side	1	15.00		1.50		22.50		
		1	1.50		1.50		2.25		
	South Side	1	25.00		1.50		37.50		
	Pillers	4	0.20		1.50		1.20		
	Trees Surroundings								
	Play Ground								
	From South Building to North Side Toilet								
		1	2.10		0.20		0.42		
		2	3.20		0.20		1.28		
		1	5.80		0.20		1.16		
	At Bore Well	1	1.60		0.20		0.32		
		1	1.90		0.20		0.38		
		2	1.20		0.20		0.48		
		2	1.40		0.20		0.45		
	At North Side Compound Wall								
		2	1.10		0.20		0.44		
		1	8.40		0.20		1.68		
		1	7.40		0.20		1.48		
	Children Play Area	1	10.00		0.20		2.00		
		1	15.00		0.20		3.00		
		1	12.40		0.20		2.48		
						Present Qty	**Sqm**	**79.02**	**916.01**	**72383.11**
18	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
	Qty Taken from Pre measurement - Item No.18, Page No.15						**Sqm**	**157.83**	**262.00**	**41351.46**
19	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.								

ASSISTANT EXECUTIVE ENGINEER
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Bruhath Bengaluru Mahanagara Palike

tem No	Description of Item	No	Length	Breadth	Depth	Unit	Qty	Rate in Rs	Amount
	Qty Taken from Pre measurement - Item No.19, Page No.16 to 18					**Sqm**	**1363.99**	**77.00**	**105027.23**
20	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer.								
	Old Building								
	Ground Floor								
	Inside Painting								
	Walls								
	Class Rooms								
	Class Room-1	2	6.80		3.20		43.52		
		2	4.80		3.20		30.72		
	Class Room-2	2	6.80		3.20		43.52		
		2	4.80		3.20		30.72		
	Class Room-3	2	6.70		3.20		42.88		
		2	4.80		3.20		30.72		
	Class Room-4	2	6.60		3.20		42.24		
		2	4.80		3.20		30.72		
	Staircase Area								
		2	2.40		3.20		15.36		
		2	5.10		3.20		32.64		
	Hand Railings	2	2.30		0.90		4.14		
		2	3.90		0.90		7.02		
	Top	1	6.50	0.15			0.98		
	Deductions								
	M.D	-5	1.05		2.10		-11.03		
	Windows	-12	1.80		1.20		-13.00		
	Ventilator	-2	1.80		0.60		-2.16		
	Main Gate (Stair case)	-1	2.40		2.10		-5.04		
	First Floor								
	Walls								
	Class Rooms								
	Class Room-1	2	6.80		3.20		43.52		
		2	4.80		3.20		30.72		
	Class Room-2	2	6.80		3.20		43.52		
		2	4.80		3.20		30.72		
	Class Room-3	2	6.70		3.20		42.88		
		2	4.80		3.20		30.72		
	Class Room-4	2	6.60		3.20		42.24		
		2	4.80		3.20		30.72		
	Toilet Room								
		1	2.40		3.20		7.68		
		1	2.20		3.20		7.04		
		3	4.80		3.20		46.08		
		1	6.30		3.20		20.16		
	Staircase Area								
		2	2.40		3.20		15.36		
		2	5.10		3.20		30.48		

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ASSISTANT EXECUTIVE ENGINEER
Bhadravathi Sub-Division
Bhadravathi, Chikkamagaluru Dist.

Item No	Description of Item	No	Length	Breadth	Depth	Unit	Qty	Rate in Rs	Amount
	Hand Railings	2	2.30		0.90		4.14	746.79	
		2	3.90		0.90		7.02		
	Top	1	6.50	0.15			0.98		
	Deductions								
	M.D	-5	1.05		2.10		-11.03		
	Windows	-14	1.80		1.20		-15.00		
	Main Gate (Stair case)	-1	2.40		2.10		-5.04		
	Second Floor								
	Head Room								
	Inside Walls								
		2	5.10		3.20		32.64		
		2	2.40		3.20		15.36		
	Deductions								
	M.D	-1	1.05		2.10		-2.21		
	Compound Wall								
	West Side	2	16.00		2.15		68.80		
		2	21.00		2.15		90.30		
	Deduction Grill	-20	1.80		0.85		-30.60		
					Present Qty	**Sqm**	**901.16**		
					Limited to Qty	**Sqm**	**896.76**	**90.00**	**80708.40**
21	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.KSRB 15-14.2 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.								
	Old Building								
	Ground Floor								
	Waist Slab								
	GF-FF								
	First Flight	1	2.30	0.90			2.07		
	Second Flight	1	3.90	0.90			3.51		
	Landing	1	2.40	1.40			3.36		
	Ceiling								
	Class Rooms								
	Class Room-1	1	6.80	4.80			32.64		
	Class Room-2	1	6.80	4.80			32.64		
	Class Room-3	1	6.70	4.80			32.16		
	Class Room-4	1	6.60	4.80			31.68		
	Toilet Room								
		1	6.30	4.80			30.24		
		1	4.90	2.40			11.76		
	Corridar Ceiling								
		1	16.40	1.40			22.96		
		1	18.50	1.40			25.90		
	First Floor								
	Waist Slab								
	FF-SF								
	First Flight	1	2.60	0.90			2.34		

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Executive Engineer
Anuradhapura Sub-Division
Mahaweli Authority of Sri Lanka

tem No	Description of Item	No	Length	Breadth	Depth	Unit	Qty	Rate in Rs	Amount
	Second Flight	1	3.30	0.90			2.97	231.26	
	Landing	1	2.40	1.40			3.36		
	Ceiling								
	Class Rooms								
	Class Room-1	1	6.80	4.80			32.64		
	Class Room-2	1	6.80	4.80			32.64		
	Class Room-3	1	6.70	4.80			32.16		
	Class Room-4	1	6.60	4.80			31.68		
	Toilet Room								
		1	6.30	4.80			30.24		
		1	4.90	2.40			11.76		
	Corridar Ceiling								
		1	16.40	1.40			22.96		
		1	18.50	1.40			25.90		
	Second Floor								
	Head Room								
	Ceiling	1	5.30	3.00			15.90		
	Roof Beams								
	Ground Floor	10x2	6.20		0.30		37.20		
	First Floor	10x2	6.20		0.30		37.20		
					Present Qty	**Sqm**	**547.87**	**117.00**	**64100.79**
22	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications.								
	Old Building								
	Ground Floor								
	Walls								
		2	16.40		3.30		108.24		
		2	18.50		3.30		122.10		
		2	5.30		3.30		34.98		
	Front Elevation (Offset)	2	16.40		0.45		14.76		
		2	18.50		0.45		16.65		
		4	1.40		0.45		2.52		
	Pillers	5	0.80		3.30		13.20		
	Chejja	16	1.80	0.45			12.96		
	Sides	8	2.70		0.15		3.24		
	Deductions								
	M.D	-5	1.05		2.10		-11.03		
	Windows	-8	1.80		1.20		-8.64		
	Ventilator	-2	1.80		0.60		-2.16		
	Main Gate (Stair case)	-1	2.40		2.10		-5.04		
	For New Compound Wall								
	North Side	2	15.00		1.50		45.00		
		2	1.50		1.50		4.50		
		2	8.50		1.50		25.50		
	South Side	2	25.00		1.50		75.00		
	Pillers	4	0.50		1.50		3.00		
					Present Qty	**Sqm**	**454.79**	**341.00**	**155081.69**

ASSISTANT EXECUTIVE ENGINEER Vidyaranyapura Sub-Division Bruhat Bengaluru Mahanagara Palike

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Item No	Description of Item	No	Length	Breadth	Depth	Unit	Qty	Rate in Rs	Amount
23	An additional rate of Rs 4.00/Sqm per Floor For Lift Charges and Rs 4.00/Sqm per Floor for Scaffolding charges May be added for Every Additional Floor								
	Old Building								
	First Floor								
	Walls								
		2	16.40		3.30		108.24		
		2	18.50		3.30		122.10		
		2	5.30		3.30		34.98		
	Front Elevation (Offset)	2	16.40		0.45		14.76		
		2	18.50		0.45		16.65		
		4	1.40		0.45		2.52		
	Pillers	11	0.80		3.30		29.04		
	Chejja	16	1.80	0.45			12.96		
	Sides	8	2.70		0.15		3.24		
	Corridar Wall	2	32.00		0.90		57.60		
	Top	1	32.00	0.20			6.40		
	Deductions								
	M.D	-5	1.05		2.10		-11.03		
	Windows	-8	1.80		1.20		-8.64		
	Main Gate (Stair case)	-1	2.40		2.10		-5.04		
					Present Qty	**Sqm**	**383.79**	**349.00**	**133940.97**
24	An additional rate of Rs 4.00/Sqm per Floor For Lift Charges and Rs 4.00/Sqm per Floor for Scaffolding charges May be added for Every Additional Floor								
	Second Floor								
	Head Room								
	Out Side Walls	2	5.30		3.00		31.80		
		2	3.00		3.00		18.00		
	Parapet Wall								
		2	6.90		0.70		9.66		
		2	13.60		0.70		19.04		
		2	16.60		0.70		23.24		
		4	6.90		0.75		20.70		
		4	20.20		0.75		60.60		
	Top	1	91.30	0.15			13.70		
	Deductions								
	M.D	-1	1.05		2.10		-2.21		
					Present Qty	**Sqm**	**194.34**	**357.57**	**69490.15**

ASSISTANT EXECUTIVE ENGINEER
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Bengaluru Mahanagara Palike

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em No	Description of Item	No	Length	Breadth	Depth	Unit	Qty	Rate in Rs	Amount
25	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (P.No. 66, I.No. 10.2 of PWD SR 2015-16)								
	Qty Taken from Pre measurement - Item No.25, Page No.19					**Sqm**	**375.20**	**998.37**	**374588.42**
26	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.								
	Old Building								
	Ground Floor								
	M.D (Frame)	4	6.00	0.10			2.40		
		10	6.00	0.05			3.00		
	Shutters	4	0.90		2.00		7.20		
	Windows	2	1.80		1.20		4.32		
	First Floor								
	M.D (Frame)	5	6.00	0.10			3.00		
		10	6.00	0.05			3.00		
	Second Floor								
	M.D (Frame)	1	6.00	0.10			0.60		
		2	6.00	0.05			0.60		
					Present Qty	**Sqm**	**24.12**		
					Limited to	**Sqm**	**23.40**	**95.00**	**2223.00**
27	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.								
	Old Building								
	Ground Floor								
	Windows	12	1.80		1.20		12.96		
	Ventilator	2	1.80		0.60		2.16		
	Main Gate (Stair case)	1	2.40		2.10		5.04		
	First Floor								
	Windows	14	1.80		1.20		15.12		

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Suvetha. N.K
AE WD

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Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

	Description of Item	No	Length	Breadth	Depth	Unit	Qty	Rate in Rs	Amount
	Main Gate (Stair case)	1	2.40		2.10		5.04		
	Entrance Gate	1	3.50		2.10		7.35		
	Grill Work	10	1.80	(0.75+1+0.75)/3			15.30		
	New Building								
	Windows	3	1.20		1.20		4.32		
		1	0.60		0.70		0.42		
		1	1.50		0.90		1.35		
	Ventilator	2	1.80		0.30		1.08		
					Present Qty	**Sqm**	**70.14**	**95.00**	**6663.30**
28	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.								
	Qty Taken from Pre measurement - Item No.28, Page No.20					**Cum**	**13.85**	**450.98**	**6246.07**
29	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								
	Qty Taken from Pre measurement - Item No.29, Page No.21					**Cum**	**0.73**	**5124.45**	**3740.85**
30	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2								
	Qty Taken from Pre measurement - Item No.30, Page No.22					**Sqm**	**38.34**	**259.14**	**9935.43**
31	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs. Specification No. KBS 4.6.2								
	Qty Taken from Pre measurement - Item No.31, Page No.23					**Sqm**	**7.29**	**401.76**	**2928.83**
32	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6								
	For Sump								
	Bottom Raft	1	3.20	2.90	0.20		1.86		
	Top Cover Slab	1	3.20	2.90	0.15		1.39		
	Deduction Chamber	-1	0.60	0.60	0.15		-0.05		
	At Anganawadi Building	1	12.50	1.20	0.15		2.25		
					Present Qty	**Cum**	**5.44**		
					Limited to	**Cum**	**4.94**	**5837.57**	**28837.60**

Smith-NK
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ASSISTANT EXECUTIVE ENGINEER
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em No	Description of Item	No	Length	Breadth	Depth	Unit	Qty	Rate in Rs	Amount
33	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500								
	Qty Taken from Pre measurement - Item No.33, Page No.24					**Tonne**	**0.62**	**64639.00**	**40076.18**
34	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6								
	For Sump								
		4					4.00		
						Present Qty	**No's**	**4.00**	**277.21**	**1108.84**
35	Conveying the Excavated earth,debris etc.., with all lead and lifts including loading and unloading charges etc.., complete as per the directon of the engineer in charge,								
	Qty Taken from Pre measurement - Item No.35, Page No.25					**Cum**	**13.85**	**65.00**	**900.25**
36	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification								
	Qty Taken from Pre measurement - Item No.36, Page No.26					**Sqm**	**32.94**	**528.31**	**17402.53**
								Total	**2066687.65**
								GST Charges 12%	**248002.52**
								Grand Total	**2314690.17**

Assistant Engineer
Ward No.10

Asst. Executive Engineer
Vidyaranyapura Sub division

ASSISTANT EXECUTIVE ENGINEER
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